ABSTRACT OF THE DISCLOSURE

The present invention provides a process for the gasification of an organic material which is characterized in that the molar ratio (H_2O/C) of the supplied steam to the carbon in the organic material is adjusted to a value of 1 to and the process is carried out so as to maintain a combustion or gasification temperature of 700 to 900°C, as well as a process for the gasification of glass fiber reinforced plastics which comprises the first step of heating a glass fiber reinforced plastic material to a temperature of 650 to 750°C in the presence of oxygen and steam to gasify the plastic component thereof, and recovering the remaining glass fibers, and the second step of partially oxidizing the resulting plastic gas and recovering the CO and H_2 so produced or of burning the resulting plastic gas and recovering the heat so generated.